

SECRET

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OSA-1451-62

26 September 1962

MEMORANDUM FOR : Chief, Technical Services Division, DD/TS *TS*  
ATTENTION : AC/TSD/R&D  
THROUGH : Assistant Director, OSA-DD/R  
SUBJECT : Airborne Tape Recorder

1. The Development Division, OSA-DD/R, has an immediate requirement for a small tape recorder having the following characteristics:

- a. Dimensions not more than 6" x 3" x 1"  $\pm \frac{1}{8}$ ".
- b. One hour voice recording capability.
- c. On-off remote hand operated switch of the momentary on, normally off type.
- d. Reliability and ruggedness are more important than high fidelity.
- e. To be mounted in an aircraft within the dimensions stated in a. above.
- f. Destruct mechanism that will erase the recorded information or render it unintelligible.
- g. Weight - less than 16 ounces.
- h. Aircraft power available - 28V DC  $\pm 3V$   
115/200W  $\pm 4\%$

2. Since the equipment will be used to satisfy a similar requirement for a pocket recorder in a flight uniform it is desirable that the unit be operable either as a self powered unit or that it operate from aircraft power.

3. Recent discussions with representatives of TSD and [REDACTED] reveal that a recorder that generally fulfills the requirements stated in paragraph 1 is being procured in service test quantities under a development contract. The destruct mechanism in paragraph 1.f. is not included in this unit although terminal equipment needed for field use (playback, battery charger, degaussing unit, spare cartridges, carrying case) is included.

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Page 2

4. While it is recognized that this development was undertaken to satisfy a TSD requirement the features incorporated in the recorder so nearly satisfy our requirement that it would seem reasonable to take advantage of the work already accomplished.

5. The following course of action is suggested if it will not impose too great a burden on your facility and schedule:

- a. One terminal set consisting of two recorders be loaned to Development Division, OSA-DD/R, for a three week period of flight testing.
- b. The second recorder will be returned to [REDACTED] by TSD for rework in order to accommodate the requirements stated in paragraph 1 above.
- c. An estimate of modification costs be submitted to Development Division, OSA-DD/R, by TSD in order that funds may be transferred to cover the additional development costs.

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SIGNED

JOHN PARANGOSKY  
Chief, Development Division  
OSA-DD/R

Distribution:

O&I-AC/TSD/R&D  
1-C/DD/OSA  
1-DD/OSA  
1-RB/OSA  
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DD/OSA, [REDACTED]